



PATENT

IN THE UNITED STATES PATENT AND TRADEMARK OFFICE

Applicant: Thomas Jan Kulp, *et al.*

Serial No.: 10/658,906

Filed: September 10, 2003

For: BACKSCATTER ABSORPTION GAS
IMAGING SYSTEMS AND LIGHT
SOURCES THEREFORE

Art Group Unit: Unknown

Examiner: Unknown

Attorney Docket: 02TM-104835

**CERTIFICATE OF
MAILING/TRANSMISSION
(37 C.F.R. § 1.8A)**

I hereby certify that this correspondence is, on
the date shown below, being:

deposited with the United States Postal
Service with sufficient postage as first class
mail in an envelope addressed to: Mail Stop
Patent Application

Commissioner for Patents
P.O. Box 1450
Alexandria, VA 22313-1450.

transmitted by facsimile to the Patent and
Trademark Office.

10-14-03
Date


Jordan Wilson

**INFORMATION DISCLOSURE STATEMENT
PURSUANT TO 37 C.F.R. §1.56 AND §§1.97-1.98**

Commissioner for Patents
P.O. Box 1450
Alexandria, CA 22313-1450

Sir:

The citations listed on the enclosed PTO-1449 Form are submitted under 37 C.F.R.
§§1.97 and 1.98, and in compliance with the duty of disclosure as defined in 37 C.F.R. §1.56.

The Examiner is requested to make these citations officially of record in the application.
This Information Disclosure Statement is being submitted before receipt of the first Office
Action for the above-identified application, therefore, pursuant to 37 C.F.R. §1.97, no fee or
certification is required.

This Information Disclosure Statement is not to be construed as a representation or
admission that any of the listed citations, by itself or in combination with other information, is
material to patentability, is, in fact, prior art, or establishes or a *prima facie* case of

unpatentability of any claim in the above-identified application. Additionally, this Information Disclosure Statement is not to be construed as a representation that a further search of the art has been made by Applicants, or that additional information relevant to the examination of this application does not exist unbeknownst to Applicants.

Respectfully submitted,



Steven R. Vosen
Registration No. 45,186

October 14, 2003

SHEPPARD MULLIN
RICHTER & HAMPTON LLP
Four Embarcadero Center, 17th Floor
San Francisco, CA 94111-4106
Phone: (415) 434-9100
Fax: (415) 434-3947

FORM PTO-1449 (Modified)		ATTY. DOCKET NO.	SERIAL NO.
LIST OF PATENTS AND PUBLICATIONS FOR APPLICANT(S) INFORMATION DISCLOSURE STATEMENT		02TM-104835	10/658,906
(Use several sheets if necessary)		APPLICANT: Thomas Jan Kulp, et al.	
		FILING DATE: September 10, 2003	GROUP ART UNIT: Unknown



REFERENCE DESIGNATION		U.S. PATENT DOCUMENTS					
EXAM'R INITIAL	DOCUMENT NUMBER	DATE	NAME	Class	Subclass	Filing Date If Appropriate	
	A1 4,555,627	11/26/1985	McRae, Jr.				
	A2 4,745,276	05/17/1988	Broicher et al.				
	A3 5,430,293	07/04/1995	Sato et al.				
	A4 5,434,700	07/18/1995	Yoo				
	A5 5,656,813	08/12/1997	Moore et al.				
	A6 5,864,644	01/26/1999	DiGiovanni et al.				
	A7 6,157,033	12/05/2000	Chudnovsky				
	A8 6,359,914 B1	03/19/2002	Powers et al.				
	A9 6,455,854 B1	09/24/2002	Richman				

FOREIGN PATENT DOCUMENTS

EXAM'R INITIAL	DOCUMENT NUMBER	DATE	COUNTRY	CLASS	Subclass	TRANSLAT'N	
						yes	no
	B1 WO 02/27297 A1	04/04/2002	WO				
	B2						

OTHER ART (Include Author, Title, Date, Pertinent Pages, Etc.)

C1	Optics Letters, Vol. 21, No. 17; Bosenberg, et al., "93% pump depletion, 3.5-W continuous-wave, singly resonant optical parametric oscillator," pages 1336-1338, September 1, 1996.
C2	Springer-Verlag; Applied Physics B, Lasers and Optics; D.G. Lancaster, et al.; "Portable fiber-coupled diode-laser-based sensor for multiple trace gas detection;" pages 459-465; Rice University, Houston, TX., June 24, 1999.
C3	CLEO 2001 Conference; Goers, et al., "Development of a compact gas imaging sensor employing a cw fiber-amp-pumped PPLN OPO," Baltimore, MD, May 6-11, 2001.

EXAMINER	DATE CONSIDERED
----------	-----------------

EXAMINER: Initial if reference considered, whether or not citation is in conformance with MPEP 609; Draw line through citation if not in conformance and not considered. Include copy of this form with next communication to Applicant(s).